Abstract of the Disclosure

One or more indicators as correspond to relative mobility of a wireless mobile station are monitored (21) to provide a resultant mobility indicator (26). Adjustment (24) of one or more inactivity temporal windows make use of this mobility indicator. Other criteria can be employed in a similar fashion, including information (25) regarding the operating capabilities of the mobile station and information (27) regarding communication system setup times. Pursuant to one embodiment, inactivity timers as used for a mobile station coincident with an active state of operation and/or a semi-dormant state of operation are selectively and dynamically extended and/or shortened as based, at least in part, upon such criterion.